



Method and System of Audio File Searching

ABSTRACT

5 A system, method, and computer program product for locating an audio segment within a storage device are disclosed. The system includes an input device suitable for transmitting an input sample that is indicative of the audio segment and a media player suitable for playing audio information stored on the storage device. The system further includes a sample converter configured to generate a digitized representation of the input sample and a digitized
10 representation of the audio information on the storage device. The digitized representation of the input sample may comprise a diphthong sequence indicative of the diphthong components of the input sample. In this embodiment, an audio converter of the system is configured to generate an audio content diphthong sequence. The audio content diphthong sequence may comprise a digital representation of the diphthong components of the audio information on the storage
15 device. The system may further include a comparator configured to detect a match between the input sample diphthong sequence and a portion of the audio content diphthong sequence. In one embodiment, the input device may be a keyboard and the input sample may be a text sample. In another embodiment, the input device may be a microphone and the input sample may be an audio message. In one embodiment, the comparator is further configured to produce a signal that
20 indicates the location within the storage device of the matching portion of the audio content diphthong sequence. A media player may be configured to receive the location signal from the comparator and to advance the storage device to the location indicated by the location signal. The storage device may comprise a compact disc, a digital video disc, a VCR, an audio tape, or other storage device suitable for storing the input sequence.